

ABSTRACT OF THE DISCLOSURE

A window-based flash memory storage system and a management and an access method therefor are proposed. The window-based flash memory storage system includes a window-based region and a redundant reserved region; wherein the window-based re-
5 gion is used to store a number of windows, each window being associated with a number of physical blocks. The redundant reserved region includes a dynamic-link area, a window-information area, a dynamic-link information area, and an boot-information area; wherein the dynamic-link area includes a plurality of dynamic allocation blocks, each being allocatable to any window. The window-information area is used to store a specific
10 window-information set that is dedicated to a certain window within a specific range of data storage space. The dynamic-link information area is used to record the status of the allocation of the dynamic allocation blocks to the windows.